

## WHAT IS CLAIMED IS:

5 1. A method for treating sepsis comprising administering to a patient in need of such treatment a molecule selected from the group consisting of Arg Helix #2, Bis Arg Helix #2, Tris-Arg Helix #3, Tetra-Arg Helix #3, and Tris-Arg Helix #3 Constrained.

10 2. A method according to claim 1, wherein the molecule is administered to the patient in a pharmaceutical composition comprising the molecule, and a pharmaceutically acceptable carrier therefor.

3. A method according to claim 1, wherein said molecule is administered in conjunction with one or more antibiotics.

15 4. A method for detecting endotoxin in a sample comprising  
- providing a molecule selected from the group consisting of Arg Helix #2, Bis Arg Helix #2, Tris-Arg Helix #3, and Tris-Arg Helix #3 Constrained, wherein the molecule is labeled with a detectable label;  
- contacting the sample with the labeled molecule, under conditions that permit the  
20 binding of the molecule to any endotoxin in the sample; and  
- detecting the presence of any labeled molecule bound to endotoxin.

5. A method according to claim 4, wherein the label is a fluorescent label.

25 6. A method for removing endotoxin in a sample comprising  
- providing a molecule selected from the group consisting of Arg Helix #2, Bis Arg Helix #2, Tris-Arg Helix #3, Tetra-Arg Helix #3, and Tris-Arg Helix #3 Constrained, wherein the molecule is bound to a solid support;  
- exposing the sample to the molecule bound to a solid support, under conditions  
30 that permit the binding of the molecule to any endotoxin in the sample; and  
- collecting the sample.